

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)  
NAME BP PRODUCTS NORTH AMERICA INC.  
ADDRESS WHITING REFINERY  
2815 INDIANAPOLIS BOULEVARD  
WHITING IN 46394

FACILITY BP PRODUCTS NORTH AMERICA INC.  
LOCATION WHITING  
ATTN: DENNIS J. SEITH, PLANT MGR.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

IND0000108	001A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
MO	DAY	YEAR	MO	DAY	YEAR
05	01	04	05	31	04



Form Approved  
OMB No. 2040-0004  
Approval Expires 05-31-98

For Any Questions call Jeff Ewick at 317-233-0676  
\*\*\* NO DISCHARGE \*\*\*  
NOTE: Read instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			NO. OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM		
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	210	468	( 26 )	*****	2.1	4.9	( 19 )	0 5 TIMES / WEEK 24
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	4161	3162	LBS/DY	*****	REPORT MO AVG	REPORT DAILY MAX		
OXYGEN DEMAND, CHEM. (LOW LEVEL) (COD)	SAMPLE MEASUREMENT	6229	9698	( 26 )	*****	60	124	( 19 )	0 3 / WEEK 24
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	3827	3827	LBS/DY	*****	REPORT MO AVG	REPORT DAILY MAX		
PH	SAMPLE MEASUREMENT	*****	*****	*****	7.3	*****	7.8	( 12 )	0 3 / WEEK GRAB
00400 1 0 0	PERMIT REQUIREMENT			*****	MINIMUM		MAXIMUM		
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	2166	4564	( 26 )	*****	21.3	69.3	( 19 )	0 5 TIMES / WEEK 24
SOLIDS, TOTAL SUSPENDED	PERMIT REQUIREMENT	3646	3642	LBS/DY	*****	REPORT MO AVG	REPORT DAILY MAX		
00530 1 0 0	SAMPLE MEASUREMENT	2142	305	( 26 )	*****	4.1	4.3	( 19 )	0 WEEK-DAYS GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT. RC	PERMIT REQUIREMENT	1095	2609	LBS/DY	*****	REPORT MO AVG	REPORT DAILY MAX		
00560 1 0 0	SAMPLE MEASUREMENT	4.11	26	( 26 )	*****	40.11	0.23	( 19 )	0 5 TIMES / WEEK 24
NITROGEN, AMMONIA TOTAL (AS N)	PERMIT REQUIREMENT	1003	2003	LBS/DY	*****	REPORT MO AVG	REPORT DAILY MAX		
00610 1 0 0	SAMPLE MEASUREMENT	2.2.4	4.6	( 26 )	*****	40.02	0.04	( 19 )	0 WEEKLY 24
SULFIDE, TOTAL (AS S)	PERMIT REQUIREMENT	23	314	LBS/DY	*****	REPORT MO AVG	REPORT DAILY MAX		
00745 1 0 0	SAMPLE MEASUREMENT	219	473-3179	219	473-3179	05	24	20	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT								

NAME/ADDRESS OF ANY VIOLATION (Reference all attachments here)  
\* Additional grab samples were analyzed on 5/5/04 for oil and grease of 001A. A total of 6 samples analyzed making up this dates result.

INDUSTRIAL MAJOR LAKE COUNTY  
EPA FORM 3320-1 (08-95) Revised by Indiana (December 2003) (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.) Mail Preprinted Forms to IDEM (No Photo Copies) Page 1

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DISCHARGE MONITORING REPORT (DMR)

IN0000108  
PERMIT NUMBER  
001A  
DISCHARGE NUMBER

MONITORING PERIOD  
MO DAY YEAR MO DAY YEAR  
05 01 04 TO 05 31 04

Form Approved  
F - FINAL  
EFLUENT  
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PARAMETER		QUANTITY OR LOADING				QUANTITY OR CONCENTRATION				EX	NO. OF ANALYSIS	TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
CHROMIUM, HEXAVALENT (AS CR)	SAMPLE MEASUREMENT	2.04	4.06	( 26 )	*****	2.0.005	4.0.005	( 19 )	0	WEEKLY	24	COMP
01032 1 0 0	PERMIT REQUIREMENT	2.0 MO AVG	4.0 DAILY MAX	LBS/DY	*****	2.0 MO AVG	4.0 DAILY MAX	MGL	0	WEEKLY	24	COMP
EFFLUENT GROSS VALUE												
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	2.09	4.12	( 26 )	*****	2.0.01	4.0.01	( 19 )	0	WEEKLY	24	COMP
01034 1 0 0	PERMIT REQUIREMENT	2.3 MO AVG	4.3 DAILY MAX	LBS/DY	*****	2.0 MO AVG	4.0 DAILY MAX	MGL	0	WEEKLY	24	COMP
EFFLUENT GROSS VALUE												
PHENOLICS, TOTAL RECOVERABLE	SAMPLE MEASUREMENT	2.1.04	1.47	( 26 )	*****	2.0.01	0.01	( 19 )	0	3/WEEK	24	COMP
32730 1 0 0	PERMIT REQUIREMENT	2.3 MO AVG	7.0 DAILY MAX	LBS/DY	*****	2.0 MO AVG	7.0 DAILY MAX	MGL	0	3/WEEK	24	COMP
EFFLUENT GROSS VALUE												
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	12.4	18.4	( 03 )	*****				0	DAILY		CONTI
50050 1 0 0	PERMIT REQUIREMENT	12.4 MO AVG	18.4 DAILY MAX	MGD	*****				0	DAILY		CONTI
EFFLUENT GROSS VALUE												
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	( 19 )	0	*NA		*NA
50060 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	MGL	0	*NA		*NA
EFFLUENT GROSS VALUE												
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	( 13 )	0	**NA		**NA
74055 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	#/100ML	0	**NA		**NA
EFFLUENT GROSS VALUE												
FLOW, TOTAL	SAMPLE MEASUREMENT	*****	*****	( 3R )	*****	*****	*****		0	ONCE/MONTH		RCOTC
82220 1 0 0	PERMIT REQUIREMENT	*****	*****	MGAL	*****	*****	*****		0	ONCE/MONTH		RCOTC
EFFLUENT GROSS VALUE												
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT												
Authorized Agent: Dennis J. Seith Business Unit Leader												
TYPED OR PRINTED												
COMMENTS AND EXPLANATION OF ANY VIOLATION (Reference all attachments here)												
INDUSTRIAL MAJOR, LAKE COUNTY												
EPA FORM 3320-1 (08-95) Revised by Indiana (December 2003) (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.) Mail Preprinted Forms to IDEM (No Photo Copies) Page 2												

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WHITING IN 46394

FACILITY BP PRODUCTS NORTH AMERICA INC.

LOCATION WHITING

ATTN: DENNIS J. SEITH, PLANT MGR.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

IN0000108

PERMIT NUMBER

DISCHARGE NUMBER

MAJOR F - FINAL EFFLUENT Form Approved OMB No. 2040-0004 Approval Expires 05-31-98

MONITORING PERIOD					
MO DAY YEAR			MO DAY YEAR		
05	01	04	TO	05	31 04
FROM					

For Any Questions call Jeff Ewick at 317-233-0676  
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PARAMETER	X	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			NO. OF ANALYSIS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
TEMPERATURE, WATER DEG. CENTIGRADE	SAMPLE MEASUREMENT	*****	*****	*****	*****	29	32	( 04 )	0	5 TIMES/ WEEK
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	REPORT DAILY MAX	DEG.C	0	5 TIMES/ WEEK
TEMPERATURE, WATER DEG. CENTIGRADE	SAMPLE MEASUREMENT	*****	*****	*****	*****	18	20	( 04 )	0	5 TIMES/ WEEK
INTAKE FROM STREAM	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	REPORT DAILY MAX	DEG.C	0	5 TIMES/ WEEK
WASTE HEAT REJECTION RATE	SAMPLE MEASUREMENT	623	722.	( 05 ) MBTU/ HR	*****	*****	*****	*****	0	5 TIMES/ WEEK
00179	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	0	5 TIMES/ WEEK
PH	SAMPLE MEASUREMENT	*****	*****	*****	8.2	*****	8.4	( 12 )	0	3/WEEK
00400	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	SU	0	3/WEEK
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	4.0.3	0.4	( 19 )	0	3/WEEK
OIL & GREASE (FREON EXTR.-IR METH)TOT.RC	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	REPORT DAILY MAX	MGL	0	3/WEEK
00560	SAMPLE MEASUREMENT	*****	*****	*****	*****	4.0.3	0.4	( 19 )	0	3/WEEK
OIL & GREASE (FREON EXTR.-IR METH)TOT.RC	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	REPORT DAILY MAX	MGL	0	3/WEEK
00560	SAMPLE MEASUREMENT	*****	*****	*****	*****	4.0.3	0.8	( 19 )	0	3/WEEK
OIL & GREASE (FREON EXTR.-IR METH)TOT.RC	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	REPORT DAILY MAX	MGL	0	3/WEEK
00560	SAMPLE MEASUREMENT	*****	*****	*****	*****	4.0.3	0.8	( 19 )	0	3/WEEK
INTAKE FROM STREAM	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	REPORT DAILY MAX	MGL	0	3/WEEK
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.									
Authorized Agent: Dennis J. Seith Business Unit Leader	Signature of Principal Executive Officer or Authorized Agent: Dennis J. Seith 4/24/04									
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT									
COMMENTS AND EXPLANATION OF ANY VIOLATION (Reference all attachments here)		TELEPHONE		DATE						
		219	473-3179	04	24					
		AREA CODE	NUMBER	MO	DAY					

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)  
IN0000108  
PERMIT NUMBER  
DISCHARGE NUMBER

MAJOR F - FINAL EFFLUENT  
Form Approved  
OMB No. 2040-0004  
Approval Expires 05-31-98

FACILITY BP PRODUCTS NORTH AMERICA INC.  
LOCATION WHITTING  
ATTN: DENNIS J. SEITH, PLANT MGR.

MONITORING PERIOD  
MO DAY YEAR  
05 01 04 TO 05 31 04

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PARAMETER		QUANTITY OR LOADING				QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
CARBON, TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	*****	*****		*****	2	3	( 19 )	0	5 TIMES /WEEK	GRAB	
00680 1 0 0	PERMIT REQUIREMENT			*****		REPORT MO AVG	REPORT DAILY MAX	MG/L				
CARBON, TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	*****	*****		*****	1	1	( 19 )	0	5 TIMES /WEEK	GRAB	
00680 0 0	PERMIT REQUIREMENT			*****		REPORT MO AVG	REPORT DAILY MAX	MG/L				
CARBON, TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	*****	*****		*****	2	2	( 19 )	0	5 TIMES /WEEK	GRAB	
00680 0 0	PERMIT REQUIREMENT			*****		REPORT MO AVG	REPORT DAILY MAX	MG/L				
INTAKE FROM STREAM	PERMIT REQUIREMENT			*****		*****	*****					
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	84.1	86.6	( 03 )	*****	*****	*****		0	DAILY	CONTI	
50050 1 0 0	PERMIT REQUIREMENT		REPORT MO AVG	REPORT DAILY MAX								
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****					
CHLORINE, TOTAL RESIDUAL	PERMIT REQUIREMENT			*****		*****	*****					
50060 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	REPORT MO AVG	REPORT DAILY MAX	( 19 )	0	WEEKLY	GRAB	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			*****		*****	*****	MG/L				
FLOW, TOTAL	SAMPLE MEASUREMENT	*****	2606.5	( 3R )	*****	*****	*****		0	ONCE / MONTH	RCOTO	
82220 1 0 0	PERMIT REQUIREMENT		REPORT MO TOTAL	MGAL								
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT											
znone	PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.						TELEPHONE		DATE		
Authorized Agent: Dennis J. Seith Business Unit Leader		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						219 473-3179		06 24	2006	
TYPED OR PRINTED								AREA CODE NUMBER		MO	DAY	YEA

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE

Authorized Agent:

Dennis J. Seith  
Business Unit Leader

I certify, under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

219 473-3179 06 24 200

INDUSTRIAL MAJOR WHITTING, LAKE COUNT

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WHITING

IN 46394

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MAJOR

F - FINAL

EFFLUENT

Form Approved  
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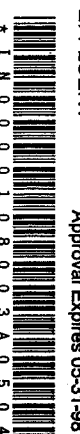
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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	WEEKLY	GRAB	WEEKLY	GRAB		
PH	SAMPLE MEASUREMENT	*****	*****	*****	7.7	*****	7.9	( 12 )	0	WEEKLY	GRAB				
00400 1 0 0	EFFLUENT GROSS VALUE														
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	( 19 )	0	WEEKLY	GRAB				
00560 1 0 0	EFFLUENT GROSS VALUE														
CARBON, TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	( 19 )	0	WEEKLY	GRAB				
00680 1 0 0	EFFLUENT GROSS VALUE														
znone	SAMPLE MEASUREMENT														
znone	SAMPLE MEASUREMENT														
znone	SAMPLE MEASUREMENT														
znone	SAMPLE MEASUREMENT														
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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.													
Authorized Agent: Dennis J. Seith Business Unit Leader															
TYPED OR PRINTED															
COMMENTS AND EXPLANATION OF ANY VIOLATION (Reference all attachments here)															
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						TELEPHONE						DATE	
		Dennis J. Seith 6/24/04						2191473-3179						06 24 2004	
								NUMBER						MO DAY YEAR	



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MAJOR F - FINAL EFFLUENT  
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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM					
PH	*****	*****	*****	*****	7.9	*****	8.3	( 12 )	0	WEEKLY	GRAB	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	MINIMUM	*****	MAXIMUM	( 19 )	0	ONCE / MONTH	GRAB	
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC	SAMPLE MEASUREMENT	*****	*****	*****	*****	4.1.0	2.4	( 19 )	0	ONCE / MONTH	GRAB	
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	DAILY MAX	( 19 )	0	WEEKLY	GRAB	
CARBON, TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	*****	*****	*****	*****	26	45	( 19 )	0	WEEKLY	GRAB	
00680 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	DAILY MAX	( 19 )	0	WEEKLY	GRAB	
znone	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	( 19 )	0	WEEKLY	GRAB	
znone	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	( 19 )	0	WEEKLY	GRAB	
znone	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	( 19 )	0	WEEKLY	GRAB	
znone	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	( 19 )	0	WEEKLY	GRAB	
znone	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	( 19 )	0	WEEKLY	GRAB	
znone	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	( 19 )	0	WEEKLY	GRAB	
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Authorized Agent: Dennis J. Seith Business Unit Leader									219 473-3179		04 24 2004	
TYPED OR PRINTED									OFFICER OR AUTHORIZED AGENT			

COMMENTS AND EXPLANATION OF ANY VIOLATION (Reference all attachments here)

**BP PRODUCTS NORTH AMERICA Inc., WHITING REFINERY**  
**2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394**

PERMIT NO	IN0000108	OUTFALL 001	MAY-04	COD	MAY PROCESS WATER EFFLUENT	OIL	NH3-N	SULFIDE
PARAMETER	FLOW	BOD	COD	pH	TSS	Q00560	Q00610	Q00745
CODE	Q50050	Q00310	Q00340	C00400	Q00547	Q00560	Q00610	Q00745
SAMPLE TYPE	PERMIT	CONT	24	GRAB	24	3/DAY	24	24
ACTUAL	CONT	24	24	GRAB	24	3/DAY	24	24
FREQUENCY	PERMIT	CONT	5/7	3/7	5/7	5/7	5/7	1/7
ACTUAL	CONT	5/7	3/7	3/7	5/7	5/7	5/7	1/7
LIMITS:	AVG	MAX	DATE	MG/D	MG/L	LB/D	MG/L	LB/D
1	14.0	1.8	203	59	6889	15.3	1723	3646
2	13.5	1.8	200	102	9698	16.0	1775	5694
3	13.3	4.3	409	102	9698	2.5	238	144
4	11.4	4.9	257	124	5274	48.0	4564	3641
5	6.3	4.7	102	74	3580	69.3	3641	173
6	2.6	—	—	—	—	53.3	1156	93
7	5.1	—	—	—	—	4.0	170	6
8	5.8	—	—	—	—	0.18	9	—
9	5.9	2.5	123	—	—	2.3	98	0.02
10	5.1	1.8	77	—	—	0.10	80	0.02
11	6.0	1.3	65	63	3153	1.6	111	0.02
12	8.3	1.2	83	—	—	1.6	197	0.02
13	16.9	1.6	226	49	7029	1.4	129	0.02
14	17.2	—	—	48	5564	0.9	—	0.02
15	13.9	—	—	—	—	—	—	0.02
16	14.5	0.8	97	—	—	0.6	69	0.02
17	13.8	0.6	69	—	—	0.6	74	0.02
18	14.7	1.2	147	36	4414	0.6	74	0.02
19	14.7	1.0	123	—	—	0.6	89	0.02
20	15.3	1.3	166	45	6155	0.7	96	0.02
21	16.4	—	—	51	7401	0.7	—	0.02
22	17.4	—	—	—	—	—	—	0.02
23	17.6	1.8	264	—	—	1.4	159	0.04
24	13.6	2.6	295	58	6627	2.0	229	0.04
25	13.7	4.1	468	—	—	2.3	242	0.04
26	12.6	4.1	431	—	—	3.0	305	0.04
27	12.2	3.6	366	86	8822	1.6	164	0.04
28	12.3	—	—	55	6376	—	—	0.04
29	13.9	—	—	—	—	—	—	0.04
30	17.2	1.9	273	—	—	—	—	0.04
31	18.4	1.2	184	—	—	—	—	0.04
AVERAGE	12.4	2.1	210	60	6229	21.3	2166	4.6
HIGHEST VAL.	18.4	4.9	468	124	9698	69.3	4564	51.4
LOWEST VAL.	2.6	0.6	65	36	3153	4.5	518	2.2
OVER LIMIT	—	—	0	—	0	—	—	—
TOTAL	383.6	—	—	—	—	—	—	—

CERTIFIED OPERATOR: *David J. Nelson*  
 -MEANS NOT TESTED THIS DATE  
 JUN-04 219-473-5298

DATE: 6-26-04  
 ENVIRONMENTAL ENGINEER: *Richard D. Davis*

**BP PRODUCTS NORTH AMERICA, Inc., WHITING REFINERY**  
**2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394**

PERMIT NO	IN0000108	OUTFALL 001	May-04	MAY PROCESS WATER EFFLUENT	ORTHOP	FECAL C.
PARAMETER	HX. CHRM	TL. CHRM	PHENOL	SELENIUM	CO0670	**
CODE	Q01032	Q00034	Q32730	CO1147	CO0670	
SAMPLE TYPE	PERMIT	24	24	24	24	GRAB
ACTUAL	24	24	24	24	24	GRAB
FREQUENCY	PERMIT	1/7	1/7	3/7	2/7	5/7
ACTUAL	1/7	1/7	3/7	2/7	2/7	5/7
LIMITS:	AVG.	2.01	23.90	mg/l	LB/D	MG/L
MAX.	4.48	68.53	0.01	<1.13	0.50	200
DATE	mg/l	LB/D	mg/l	LB/D	ug/l	COLONIES
1	—	—	—	—	—	—
2	—	—	—	—	—	—
3	—	—	—	—	—	—
4	—	—	—	—	—	—
5	<0.005	<0.3	<0.01	<0.95	0.10	—
6	—	—	0.01	0.22	—	—
7	—	—	—	—	—	—
8	—	—	—	—	—	—
9	—	—	—	—	—	—
10	—	—	—	—	—	—
11	—	—	—	—	—	—
12	<0.005	<0.3	<0.01	<0.50	0.78	—
13	—	—	—	—	—	—
14	—	—	—	—	—	—
15	—	—	—	—	—	—
16	—	—	—	—	—	—
17	—	—	—	—	—	—
18	—	—	—	—	—	—
19	<0.005	<0.6	<0.01	<1.23	0.35	—
20	—	—	—	—	—	—
21	—	—	—	—	—	—
22	—	—	—	—	—	—
23	—	—	—	—	—	—
24	—	—	—	—	—	—
25	—	—	—	—	—	—
26	<0.005	<0.5	<0.01	<1.14	0.54	—
27	—	—	—	—	—	—
28	—	—	—	—	—	—
29	—	—	—	—	—	—
30	—	—	—	—	—	—
31	—	—	—	—	—	—
AVERAGE	<0.005	<0.4	<0.01	<0.9	<1.04	0.53
HIGHEST VAL.	<0.005	<0.6	<0.01	<1.2	1.47	0.78
LOWEST VAL.	<0.005	<0.3	<0.01	<0.5	0.22	0.10
OVER LIMIT	0	0	0	0	0	0

CERTIFIED OPERATOR: *David P. Olson* DATE: *6-26-04* AUTHORIZED AGENT: *David P. Olson*  
 --MEANS NOT TESTED THIS DATE  
 \*\*FECAL COLIFORM ARE LIMITED FROM APRIL 1 TO OCT. 1 WHEN REFINERY  
 SANITARY SEWERS ARE DISCHARGING TO AMOCO WWTP.



**BP PRODUCTS NORTH AMERICA Inc., WHITING REFINERY**  
**2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394**

PERMIT NO IN0000108    OUTFALL 002    May-04    MAY COOLING WATER EFFLUENT

PARAMETER CODE	FLOW	IN-TEMP	OUT-TEMP	HEAT	pH	IN-OIL	OUT-OIL	DELTA OIL	IN-TOC	OUT-TOC	DELTA-TOC	RESID-CL
Q50050			C00010	C99003	C00400		C00550		C99680	C00680		
SAMPLE TYPE	CONT	CONT	CONT	CONT	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
PERMIT	CONT	CONT	CONT	CONT	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
ACTUAL	CONT	CONT	CONT	CONT	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
FREQUENCY												
PERMIT	CONT	5/7	5/7	5/7	3/7	3/7	3/7	5/7	5/7	5/7	5/7	1/7
ACTUAL	CONT	CONT	CONT	CONT	3/7	3/7	3/7	5/7	5/7	5/7	5/7	1/7
LIMITS: AVG.				1.70	7.9							
MAX.				2.00				5			5	.05
DATE	MG/D	DEG C	DEG C	GBTU/HR	pH	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
1	86.2	15	27	0.646								
2	85.3	15	27	0.639								
3	85.4	15	28	0.694	8.3	<0.3	0.4	0.4	2	3	1	
4	83.5	15	28	0.678					2	3	1	
5	84.3	16	29	0.685	8.3	<0.3	<0.3	<0.3	2	3	1	<0.05
6	84.3	16	29	0.685					2	3	1	
7	84.0	17	29	0.630	8.2	<0.3	0.3	0.3	2	3	1	
8	82.7	16	29	0.672								
9	82.5	16	30	0.722								
10	83.0	17	30	0.674	8.3	<0.3	<0.3	<0.3	2	3	1	
11	84.1	17	30	0.683					2	3	1	
12	82.1	15	29	0.718	8.2	<0.3	<0.3	<0.3	2	3	1	<0.05
13	83.6	15	27	0.627					2	3	1	
14	84.3	17	26	0.474	8.3	0.8	0.3	0.0	2	2	1	
15	84.9	17	26	0.477								
16	84.2	18	28	0.526								
17	85.0	18	28	0.531	8.3	<0.3	<0.3	<0.3	2	3	1	
18	85.0	18	28	0.531					2	3	1	
19	84.1	19	29	0.525	8.3	<0.3	<0.3	<0.3	2	3	1	<0.05
20	82.9	18	31	0.673					2	2	1	
21	83.5	19	30	0.574	8.3	<0.3	<0.3	<0.3	2	2	1	
22	84.8	19	30	0.583								
23	83.9	19	30	0.577								
24	85.0	20	32	0.637	8.4	<0.3	<0.3	<0.3	2	2	1	
25	83.4	20	32	0.625					2	2	1	
26	83.3	20	32	0.625	8.3	<0.3	<0.3	<0.3	2	2	0	<0.05
27	85.0	19	32	0.680					2	2	0	
28	84.0	20	32	0.630	8.3	<0.3	<0.3	<0.3	2	2	0	
29	83.8	20	32	0.628								
30	81.8	20	32	0.613								
31	86.6	20	32	0.649	8.3	<0.3	<0.3	<0.3	2	3	1	
AVERAGE	84.1	18	29	0.623	8.3	<0.4	<0.3	<0.3	2	2	1	<0.050
HIGHEST VAL.	86.6	20	32	0.722	8.4	0.8	0.4	0.4	2	3	1	<0.05
LOWEST VAL.	81.8	15	26	0.474	8.2	<0.3	<0.3	<0.3	2	2	0	<0.05
OVER LIMIT	0			0	0			0			0	0
TOTAL	2606.57											

CERTIFIED OPERATOR  
 -MEANS NOT TESTED THIS DATE

NO. 14118  
 6/30/2004

DATE:

ENVIRONMENTAL ENGINEER:

*David P. Allen*

6-26-04

*David P. Allen*

**BP PRODUCTS NORTH AMERICA Inc., WHITING REFINERY  
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394**

PERMIT NO. IN0000108

May-04 MAY STORM WATER RUNOFF

----OUTFALL 003-----

\*\*\* NOTE: TO BE SAMPLED AFTER EACH RAIN EVENT IF DISCHARGE OCCURS - ONCE PER WEEK

PARAMETER			
CODE:	PH	OIL	TOC
	C00400	C00550	C00680
LIMITS:	6-9	15	110
MAX.			

DATA		mg/l	mg/l	
1	---	---	---	closed
2	---	---	---	closed
3	---	---	---	closed
4	---	---	---	closed
5	---	---	---	closed
6	---	---	---	closed
7	---	---	---	closed
8	---	---	---	closed
9	---	---	---	closed
10	---	---	---	closed
11	---	---	---	closed
12	---	---	---	closed
13	---	---	---	closed
14	---	---	---	closed
15	---	---	---	closed
16	---	---	---	closed
17	---	---	---	closed
18	---	---	---	closed
19	---	---	---	closed
20	---	---	---	closed
21	---	---	---	closed
22	---	---	---	closed
23	---	---	---	closed
24	7.7	<0.3	12	open
25	---	---	---	open
26	---	---	---	open
27	---	---	---	open
28	---	---	---	open
29	---	---	---	open
30	---	---	---	open
31	7.9	<0.3	10	open

AVERAGE	7.8	<0.3	11
---------	-----	------	----

HIGHEST VAL.	7.9	<0.3	12
LOWEST VAL.	7.7	<0.3	10
OVER LIMIT	0	0	0

CERTIFIED OPERATOR: *David P. Olsen*  
219-473-5298

NO. 14118  
Jun-04

DATE: 6-26-04

ENVIRONMENTAL ENGINEER: *Richard A. N...*

**BP PRODUCTS NORTH AMERICA Inc., WHITING REFINERY**  
**2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394**

PERMIT NO. IN0000108

May-04 MAY STORM WATER RUNOFF

-----OUTFALL 004-----

\*\*\* NOTE: TO BE SAMPLED AFTER EACH RAIN EVENT IF DISCHARGE OCCURS - ONCE PER WEEK

PARAMETER			
CODE:	pH	OIL	TOC
LIMITS:	C00400 6-9	C00550 15	C00680 110
MAX:			

DATA		mg/l	mg/l	
1	---	---	---	closed
2	---	---	---	closed
3	---	---	---	closed
4	---	---	---	closed
5	---	---	---	closed
6	8.3	2.4	39	open
7	---	---	---	open
8	---	---	---	closed
9	---	---	---	closed
10	---	---	---	closed
11	---	---	---	closed
12	---	---	---	closed
13	8.1	1.9	45	open
14	---	---	---	open
15	---	---	---	closed
16	---	---	---	closed
17	---	---	---	closed
18	8.0	<0.3	17	open
19	---	---	---	open
20	---	---	---	open
21	---	---	---	closed
22	---	---	---	closed
23	---	---	---	closed
24	7.9	<0.3	18	open
25	---	---	---	open
26	---	---	---	open
27	---	---	---	closed
28	---	---	---	closed
29	---	---	---	closed
30	---	---	---	closed
31	8.0	<0.3	14	open

AVERAGE 8.1 <1.0 26

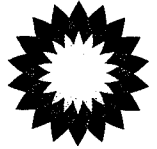
HIGHEST VAL. 8.3 2.4 45  
 LOWEST VAL. 7.9 <0.3 14  
 OVER LIMIT 0 0 0

CERTIFIED OPERATOR: *David L. Olsen*  
 phone: 219-473-5298

NO. 14118  
 6/30/2004

DATE: 6-26-04

ENVIRONMENTAL ENGINEER: *Kurt H. H. H.*



Dennis J. Seith

Business Unit Leader  
Whiting Business Unit

BP Products North America Inc.  
2815 Indianapolis Boulevard  
Whiting, IN 46394-0710  
USA

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**  
June 28, 2004

Indiana Department of Environmental Management  
OWQ Data Management Section  
100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, IN 46206-6015

**NPDES Permit No. 0000108, Serials 001, 002, 003, and 004**

Direct 219 473 3179  
Fax 219 473 3504  
Mobile 219 545 5297  
seithdj@bp.com

Effluent quality data and Discharge Monitoring Report forms from the BP Products North America Inc. - Whiting Business Unit for the month of May 2004, are attached. Effluent quality from the wastewater treatment plant for the month was excellent. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or need any additional information, please contact R. A. Harris at (219) 473-3321.

Sincerely,

Dennis J. Seith  
Business Unit Leader

Attachments



Page 2



FACILITY BP PRODUCTS NORTH AMERICA INC.  
LOCATION WHITING  
ATTN: DENNIS J. SEITH, PLANT MGR.

IN0000108  
PERMIT NUMBER  
DISCHARGE NUMBER

MONITORING PERIOD  
MO DAY YEAR TO MO DAY YEAR  
04 01 04 04 30 04



For Any Questions call Jeff Ewrick at 317-233-0676

\*\*\* NO DISCHARGE \*\*\*  
NOTE: Read Instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING				QUANTITY OR CONCENTRATION				NO. OF ANALYSIS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX			
TEMPERATURE, WATER DEG. CENTIGRADE	SAMPLE MEASUREMENT	*****	*****	*****	*****	25	28	( 04 )	0	5	TIMES/ WEEK	CONTI
00010 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	REPORT DAILY MX	DEG.C	0	5	TIMES/ WEEK	CONTI
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	12	16	( 04 )	0	5	TIMES/ WEEK	CONTI
00010 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	REPORT DAILY MX	DEG.C	0	5	TIMES/ WEEK	CONTI
INTAKE FROM STREAM	SAMPLE MEASUREMENT	658	771	( 05 ) MBTU/ HR	*****	*****	*****	*****	0	5	TIMES/ WEEK	CONTI
WASTE REJECTION RATE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	0	5	TIMES/ WEEK	CONTI
00179 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	0	5	TIMES/ WEEK	CONTI
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	0	3	WEEK	GRAB
PH	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	0	3	WEEK	GRAB
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	0	3	WEEK	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	0	3	WEEK	GRAB
00560 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	0	3	WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH)TOT.RC	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	0	3	WEEK	GRAB
00560 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	0	3	WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH)TOT.RC	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	0	3	WEEK	GRAB
00560 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	0	3	WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH)TOT.RC	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	0	3	WEEK	GRAB
00560 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	0	3	WEEK	GRAB
INTAKE FROM STREAM	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	0	3	WEEK	GRAB
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.												
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT												
Authorized Agent: Dennis J. Seith Business Unit Leader												
TYPED OR PRINTED												
COMMENTS AND EXPLANATION OF ANY VIOLATION (Reference all attachments here)												
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT												
219 473-3179												
TELEPHONE												
DATE												